

Abstract

The granular, form-selective zeolite catalyst used as bed in a process of producing lower olefins from a feed mixture of higher olefins must be decoked from time to time. This is effected such that the reactor is rinsed with a nitrogen stream heated to 460 to 500°C for expelling the hydrocarbons, the reactor is then cooled with a nitrogen stream heated to 420 to < 460°C, a nitrogen/air mixture heated to 460 to 500°C then flows through the reactor until complete decoking, and subsequently the reactor is rinsed with a nitrogen stream heated to 460 to 500°C.